### STATEMENT OF WORK (SOW)

FOR THE EXECUTION OF THE

REPUBLIC OF CHINA MARINE
CORPS
FOREIGN MILITARY SALE
OF THE
ASSAULT AMPHIBIOUS VEHICLE
(AAV)
RELIABILITY, AVAILABILITY,
MAINTAINABILITY
(RAM)
(AAV7A1 RAM)
FAMILY OF VEHICLES
(FOV)

Approved I	3y:					
	Mr.	G.	Brvan	Prosser.	<b>PMAAVS</b>	

### SOW

### FOR THE EXECUTION OF THE REPUBLIC OF CHINA MARINE CORPS AAV7A1 RAM

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### SOW FOR THE EXECUTION OF THE REPUBLIC OF CHINA MARINE CORPS AAV7A1 RAM Effective: TBD

### **1. SCOPE**

### 1.1. Background

The REPUBLIC OF CHINA MARINE CORPS (ROCMC) FMS Project shall begin at the end of the US 680 vehicles AAV RAM/RS disassembly effort. The major difference between the US AAV RAM/RS Project and the ROCMC FMS Project is that the US is reusing many parts in the finished vehicle, whereas the ROCMC FMS Project will get new parts instead of reused parts in the finished vehicles. Only the hulls (to include major closures) are reused. See Appendix A. Phase I of this two Phase effort is to disassemble and modify the hulls of 54 AAV7A1 vehicles to the ROCMC RAM configuration. Phase II of the ROCMC FMS Project is to assemble the 54 AAV7A1 Vehicles. The plan is to assemble, using new parts, 48 "P" variants, 4 "C" variants and 2 "R" variants to the ROCMC RAM configuration.

### 1.2. Phase I: Disassembly and Hull Modification

Phase I of the ROCMC FMS Project will be performed per the schedule in Appendix B. Phase I consists of the receipt, acceptance, and preparation for hull modification of a total of 48 AAVP7A1, 4 AAVC7A1 and 2 AAVR7A1 vehicles to the ROCMC RAM configuration. After completion of hull modification by the contractor, United Defense, Limited Partnership (UDLP), the hulls will be primed and base coated by Marine Corps Logistics Command (MCLC) and stored until start of Phase II. Program Manager Assault Amphibious Vehicle Systems (PMAAVS) shall provide disposition and storage guidance for all reusable components and assemblies not required for Phase II of this SOW. All hulls will be disassembled in accordance with the ROCMC Standard 3.4 (ROCS 3.4) and Technical Manuals (TMs) listed in paragraph 2. At the completion of Phase I the hulls will be returned to MCLC per the schedule. This SOW establishes and sets forth tasks and identifies the work efforts that shall be performed by MCLC for the ROCMC FMS Project Phase I.

### 1.3. Phase II: Assembly

Phase II of the ROCMC FMS Project will be performed per the schedule in Appendix B. Phase II involves the assembly, testing and delivery of a total of 54 AAV7A1 vehicles. The plan is to assemble 48 "P" variants, 4 "C" variants and 2 "R" variants to the ROCMC RAM configuration. All hulls will be assembled in accordance with the ROCS 3.4 and TMs listed in paragraph 2. This SOW and the appropriate government publications listed in paragraph 2, establishes and sets forth tasks and identifies work efforts that shall be performed by MCLC for the assembly, testing and delivery of the ROCMC RAM vehicles under Phase II.

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### 2. APPLICABLE DOCUMENTS

The following documents form a part of this SOW to the extent specified. Unless otherwise designated, the issue dates of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, which is in effect on the date of execution. The application of specifications, standards, and related documents shall be limited to the documents specifically cited herein as requirements, and to the specified portions referenced herein. In the event of conflict between the documents referenced and the contents of this SOW, requests for conflict resolution shall be brought to the attention of PMAAVS. Conflict resolution between reference documents and this SOW shall be completed by PMAAVS prior to initiation of Phase I. PMAAVS shall resolve any conflicts found after this date, within three (3) working days after conflict identification with a goal of resolution within 24 hours. MCLC will use best judgment to work around the conflict until the formal resolution is received from PMAAVS.

### 2.1. Military Standards

MIL-STD-2073-1D	Standard Practice for Military Packaging
MIL-STD-129	Standard Practice for Military Marking

### 2.2. Technical Manuals

TM 4750 15/1	Painting and Registration Marking for Marine Corps
	Combat and Tactical Equipment
TM 4750 15/2	Camouflage Paint Patterns
TM 09674A-25&P/4	Maintenance Instructions and Repair Parts List,
	Organizational, Intermediate and Depot Assault
	Amphibious Vehicle, 7A1 Family of Vehicles and
	RAM/RS
TM 07267B-25&P/2	Maintenance Instructions and Repair Parts List,
	Organizational, Intermediate and Depot Assault
	Amphibious Vehicle, AAVR7A1 and RAM/RS
TM 07268B-25&P/2	Maintenance Instructions and Repair Parts List,
	Organizational, Intermediate and Depot Assault
	Amphibious Vehicle, AAVC7A1 and RAM/RS
TM 10004A-25&P/2	Maintenance Instruction and Repair Parts List,
	Organizational, Intermediate, and Depot Upgunned
	Weapons Station (UGWS)
TM 8F152B-25&P/A	Maintenance Instructions and Repair Parts List,
	Organizational, Intermediate and Depot Power Plant
	Assembly, Assault Amphibious Vehicle, 7A1 Family of
	Vehicles and RAM/RS
DOOMO 04 1. 124 CA	1 2002

ROCMC Standard 3.4 of April 2003

### 2.3. Government Publications

MIL-HDBK-61	Configuration Management Guidance – "Guidance Only"
SD-14	List of Toxic Chemicals, Hazardous Substances, and

Ozone-Depleting Chemicals

### 2.4. Industry Standards

Drawing 5428747, CAGE 53711 Preparations for shipment for AAVP7A1 Drawing 5435309, CAGE 53711 Preparations for shipment for AAVC7A1 Drawing 5433292, CAGE 53711 Preparations for shipment for AAVR7A1 JESD625-A

Requirements for Handling Electrostatic Sensitive

Discharge (ESG) Devices

Q9001-2000 Quality Management Systems - Requirements ANSI/ISO/ASOC

ANSI/EIA-649 National Consensus Standards for Configuration

Management - "Guidance Only"

Copies of these publications may be obtained from: American National Standards Institute (ANSI), 11 West 42<sup>nd</sup> Street, New York, NY 10036, Web Address at http://WWW.ansi.org.

### 2.5. Copies of Publications

Copies of Military Standards and Specifications are available from the US Department of Defense Single Stock Point, Document Automation and Production Service, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or http://www.dodssp.daps.mil.

Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing. from: Commander, Marine Corps Logistics Command, Attn: Publication Branch (Code 586), Albany, Georgia, 31704-5000 commercial (229) 639-5818, or DSN 567-5818.

Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Supply Chain Management Center, Attn: (Code 583-1), 814 Radford Blvd STE 20302 Albany, Georgia, 31704-0320, Commercial (229) 639-6476 or DSN 567-6476.

### 3. REQUIREMENTS

### 3.1. Project Management

MCLC shall provide a single point of contact for Project Management of the ROCMC FMS Project effort. The single point of contact shall be responsible for ensuring compliance with the requirements of this SOW at MCLC. The MCLC ROCMC Project Officer shall ensure that the provisions of paragraph 3.4 of this SOW have been met, and that any identified conflicts have been resolved IAW paragraph 2 of this SOW prior to implementation of ROCMC RAM vehicle assembly. MCLC shall provide Defense Contract Management Agency (DCMA) personnel access to all facilities, data, processes and materials relating to the ROCMC FMS AAV program and provide offices, equipment and support as necessary for on site support of the AAV program.

### 3.2. Reports and Documentation

### 3.2.1. Progress Reports

### 3.2.1.1 Production Progress Report

MCLC shall provide a progress report monthly to PMAAVS starting at the commencement of Phase I. The report shall address any events significant and impacting to the program, and shall include the following sub-reports as integral elements of the monthly Production Progress Report. Progress reports will include the number of vehicles inducted, working and complete ready to ship. The funding reports will be provided quarterly and will provide a breakdown of funds obligated and funds expended (billed) against each line of the accounting provided. The production progress report will be provided IAW: DI-MISC-80508A.

### 3.2.1.2. GFE Consumption Report

GFE Consumption Report will be provided IAW: DI-MGMT-80438A.

### 3.2.1.3. Production or Delivery Problems Report

Production or Delivery Problems Report will be provided IAW: DI-MGMT-81178

### 3.2.1.4. Test/Inspection Report

Test/Inspection Report will be provided IAW: DI-NDTI-80809B

### 3.2.1.5. Contract Funds Status Report

Contract Funds Status Report (CFSR) will be provided IAW: DI-MGMT-81468

For those report elements deemed not applicable for the specific reporting period, a negative response is required.

### 3.2.2. Workmanship Guarantee Procedures

MCLC shall develop Guarantee Procedures for MCLC workmanship. This document shall become part of the ROCMC RAM FMS Project and will be utilized by ROCMC and Field Service Representative to alleviate any possible failures and/or discrepancies due to MCLC workmanship. MCLC shall develop and provide Guarantee Procedures for PMAAVS approval three (3) months prior to start of work (Phase II). The MCLC Guarantee shall last for one (1) year commencing from when the vehicles are received by the ROCMC freight forwarder.

### 3.2.3. Quality Assurance

In the case of possible failures and/or discrepancies due to MCLC workmanship, a team of qualified MCLC maintenance personnel shall be sent to ROC to alleviate the discrepancy. One trip will occur during a period of one-year commencing from the receipt of the first vehicle. The trip will be scheduled and coordinated between PMAAVS, UDLP and MCLC. A maximum of funds not to exceed \$20,000 will be available to correct any workmanship deficiencies after delivery of all vehicles. In

addition, the MCLC maintenance personnel shall investigate and document (DI-MGMT-80508A) any non-conformance and evaluate corrective action for repair and/or replacement of deficient components and workmanship.

### 3.3. Meetings, Formal Reviews, and Conferences

The Maintenance Directorate shall, as appropriate, plan, host, attend, coordinate, support, and conduct all meetings, formal reviews, and conferences (here to after called "reviews"). The reviews shall be conducted employing Video Teleconferencing (VTC) or on-site at PMAAVS, and/or MCLC facilities as directed by PMAAVS. MCLC shall prepare agendas (DI-ADMIN-81249) and conference presentation materials and provide minutes and reports DI-ADMIN-81250), within ten (10) working days, following each review. PMAAVS reserves the right to cancel any review or to require any review to be scheduled at critical points during the period of performance. At least one (1) week notice will be provided for reviews that have not been previously scheduled. Action item documentation, assignment of responsibility for completion, and due dates shall be determined prior to adjournment of all reviews. A summary of all action items, responsible parties, and estimated completion date shall be included with the minutes.

### 3.3.1. In-Process Review

The first In-Process Review (IPR) will be held approximately 30 days after start of Phase II, at a date and location directed by PMAAVS. Subsequent IPRs will be held at a minimum, every quarter either employing Video Teleconferencing (VTC) or on-site at PMAAVS, and/or MCLC facilities as directed by PMAAVS. PMAAVS reserves the right to cancel any review or to require any review to be scheduled during the period of performance. As a minimum, MCLC shall:

- a. Discuss the production progress, to include any changes made in the production process,
- b. Brief program status to include problem identification and resolutions,
- c. Present status of deliverables.
- d. Prepare presentation materials providing an overview of all agenda items, and
- e. Identification of any funding issues or shortfalls with detailed explanation.

### 3.3.2. IPR Roles and Responsibilities

The PMAAVS will chair and will be the approving authority for any required IPR. The ROCMC FMS Project Officer from PMAAVS shall host the scheduled IPR.

### 3.4. Government Furnished Material (GFM)

All bolted, pressed or glued components along with all common hardware will be provided as Government Furnished Materiel (GFM). GFM will be provided in kits designated to support the depot assembly process, and will be in stock to support the assembly of a vehicle per the schedule in Appendix B. UDLP will provide kits tailored to MCLC production requirements.

### 3.5. Disassembly

### **3.5.1.** Receipt

PMAAVS will ensure timely delivery of 54 source vehicles for the ROCMC FMS Project

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in accordance with the schedule, Appendix B. The list of vehicle serial numbers is provided in Appendix C.

### 3.5.2. Suitability for Induction

Prior to induction PM AAVS, UDLP and DCMA shall participate in the pre-induction inspection analysis and verification of configuration of the hulls and shall determine the suitability for induction into the ROCMC FMS Project.

### 3.5.3. Disassembly Guidance

Disassembly is defined as the removal of all parts and components from the hull, full disassembly of all hatches, ramp, grill or plenum; hull preparation for induction into the UDLP AAV hull modification process, per ROCS 3.4. The hull-threaded holes will be plugged per the hull configuration checklist. MCLC shall provide hulls prepared for modification to UDLP. The hulls will have all bolted on items removed with the exception of mooring cleats. The vehicle identification data plate shall remain on the vehicle until returned from UDLP. All press fit bushings shall remain in place to protect bores during grit blasting and will be removed by UDLP. Screws or plugs will be installed in all tapped holes. Disassembly shall be conducted in a manner to minimize collateral damage to the hull, custom fitted components and other material removed. During disassembly the vehicle shall be evaluated for out of scope conditions. Discovery of an out of scope condition will be reported to PMAAVS and the final disposition decision will be made by PMAAVS.

### 3.5.4. Custom Fitted Assemblies.

MCLC shall fully disassemble, per ROCS 3.4, and retain all items listed in Appendix A. MCLC shall ensure custom fitted components are identified by vehicle prior to pickup by UDLP.

### 3.5.5. Unique Component Requirements

Unique component requirements exist for those items that will be shipped to outside contractors or recovered by the Government. The following areas of guidance are provided:

### 3.5.5.1. Residual Material

Residual material is defined as items, parts, or material that is removed or disassembled from inducted and processed vehicles that is not required or authorized for reuse in the ROCMC FMS Project. All residual material shall be inventoried and then offered for other use. Parts not claimed by the USMC will be offered up to FMS (resale) and DRMO. PMAAVS will provide disposition instructions for removed parts before the disassembly process begins. PMAAVS will retain authority for final disposition of residual material.

### 3.5.5.2. Preparation for Acceptance by UDLP

MCLC shall remove all coating and corrosion over areas of the hull and custom fitted components in preparation for contractor shipment to the UDLP hull modification facility. Blasting is not required in the area of the four [4] torsion tube flanges in the road

arm areas for those temporary road arms used for moving the hull in the Maintenance Center. The temporary road arm assemblies will be removed from the hull prior to shipment to UDLP.

### 3.5.5.3. Final Disassembly Inspection and Shipment to UDLP

MCLC in conjunction with DCMA shall conduct a final configuration and visual inspection on all GFM hulls and custom fitted components provided to UDLP prior to leaving the Maintenance Center. Any hulls and custom fitted components deemed by MCLC in conjunction with DCMA not suitable for production shall be communicated by DCMA within 24 hours to PMAAVS for determination. DCMA shall prepare documentation and/or evidence of unsuitability.

### 3.5.5.4. Loading to Shipping Conveyance

MCLC shall be responsible for required preparation of the hull and closures to meet environmental and Department of Transportation local, state and federal requirements for over the road transportation.

### **3.5.5.5.** Shipment

MCLC shall designate an appropriate location at MCLC Albany, GA to accommodate loading and unloading of the hulls and custom fitted components to/from UDLP conveyance. MCLC is not expected to accommodate unusual shipment requirements. MCLC shall coordinate with any other appropriate Department of Defense agencies that may be required to accommodate shipment of hulls. Accountability of GFM to UDLP will be in accordance with standard MCLC procedures. UDLP will be responsible for obtaining all transportation permits associated with movement of AAV hulls and custom fitted components between MCLC Maintenance Center and their Modification Facility.

### 3.5.5.6. MCLC Materiel Handling Equipment (MHE) Consideration

MHE support requirements for the movement of materiel in support of this SOW shall be provided by MCLC.

### 3.5.5.7. **Painting**

The vehicle will be painted in accordance with TM 4750-15/1 and 15/2. MCLC shall apply a primer and base coat to each hull upon receipt from the contractor.

### 3.6. Assembly

### 3.6.1. Vehicle Assembly

Vehicle Assembly is defined as the assembly, inspection and testing, and preparation for delivery of the ROCMC AAV RAM vehicles, in accordance with the current configuration as described in the ROCS 3.4 and Appendix D. In complying with the specified requirements of this SOW, MCLC shall perform as a minimum, but shall not be limited to, the following tasks:

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### 3.6.1.1. Mating of Hull with Custom Fitted Components

Ensure custom fitted components as listed in Appendix A (Hatches, Ramps, and Plenum) are associated with the appropriate hull for reassembly.

### 3.6.1.2. Consumable Materials

MCLC shall provide all bulk and consumable material (petroleum, oils, lubricants, grease, paint, etc.) for consumption during the ROCMC FMS Project.

### 3.6.1.3. Final Configuration Inspection

MCLC shall conduct a final configuration inspection on all ROCMC RAM vehicles, jointly with the PMAAVS site representative and/or the DCMA and/or the ROCMC representative prior to the vehicles leaving the Marine Corps Logistics Command, Albany. To facilitate the inspection process, MCLC shall develop a Final Configuration Inspection Checklist/Procedure for PMAAVS concurrence (DI-MGMT-80508A) to ensure ROCMC RAM vehicles are delivered to the final customer in accordance with the approved final ROCMC RAM configuration.

### 3.6.2. Final Painting

The vehicle will be painted in accordance with TM 4750-15/1 and 15/2. MCLC shall paint the hull upon completion of assembly.

### 3.6.3. Preparation for Shipment

MCLC shall prepare the assembled AAV for shipment and storage in accordance with applicable drawing numbers 5428747, 5435309, 5433292, and the Program Definition Conference. All ROCMC RAM vehicles shall have a sign affixed that reads "NOT FOR WEATHER DECK STORAGE". Hazardous items shall be prepared in accordance with MIL-STD-2073-1D, Table J.1a, use Special Preservation Code HM. Markings shall be in accordance with MIL-STD-129. The preservation level for all FMS ROCMC deliverables shall be in accordance with the transportation plan.

### **3.6.4.** Vehicle Delivery

MCLC shall complete production in accordance with the schedule in Appendix B and store until shipment to the freight forwarder. As prescribed in DFARS 252.246-7000, at the time of each delivery under this SOW, MCLC shall prepare and furnish to DCMA a material inspection and receiving report in the manner and to the extent required by Appendix F, Material Inspection and Receiving Report, of the Defense FAR Supplement. DCMA shall make final inspection and acceptance of completed vehicles.

### 3.7. Parts Disposition for Non-Conforming GFM

MCLC shall notify PMAAVS of all non-conforming Government Furnished Material as soon as the discrepancy is identified. Upon discovery of a GFM non-conformance, the request for GFM disposition should be processed per the procedure described in Appendix E. PMAAVS is the approval authority for all GFM disposition requests associated with the ROCMC FMS Project. MCSC letter 8400 ser. 01-0082 of 24 July 2001 delegates the PMAAVS GFM approval authority to the DCMA representatives at MCLC, Albany.

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At the direction and approval of PMAAVS/DCMA, disposition of non-conforming GFM shall be conducted. Disposition of non-conforming GFM shall be on a case-by-case basis and the repair effort to include workarounds shall be considered over and above the Firm Fixed Price effort. Prior to start of repair, MCLC shall submit detailed cost and schedule data for PMAAVS concurrence.

### 4. GENERAL REQUIREMENTS SECTION

### 4.1. Electromagnetic Environmental Effects (E3) Procedures

MCLC shall establish, implement and document an Electrostatic Discharge (ESD) Control Program following the guidelines provided in JESD-625-A. ESD protective measures shall be used during manufacturing, handling, inspecting, testing, marking, packaging, storing, and transporting the ESD sensitive components.

### 4.2. Quality System Provisions

MCLC shall maintain a documented Quality Management System. The system shall apply to all equipment provided and shall ensure that quality is maintained throughout all areas including, processing, assembly, inspection, test, maintenance, packaging, delivery, and shipping. The MCLC system shall ensure personnel responsible for, inspection, control of processes, operations and equipment that require special skills are certified prior to performing these functions. Specific responsibilities and functions shall be assigned. A list of required skills and skill levels shall be maintained for all personnel performing under this SOW. The Defense Contract Management Agency (DCMA) has specific roles in regards to the RAM Program. The DCMA role is defined by separate Memorandums of Agreement between PMAAVS and DCMA.

### 4.3. Environment, Safety and Health (ESH) Evaluation

The following ESH criteria shall be documented:

### 4.3.1. Safety and Health Evaluation

MCLC shall comply with the applicable federal, state and local statutes and regulations on personal safety and health hazards relative to the efforts contained in this SOW. The health hazards include conditions that create significant risks of injury, illness, disability, or reduce job performance of personnel who will perform in accordance with this SOW.

### 4.3.2. Environmental Compliance

MCLC shall comply with the applicable federal, state, and local statutes and regulations relating to protection of the environment; and public safety and health. To the maximum extent possible, environmentally preferable, recycled or recovered materials shall be used in the operation and manufacturing of the ROCMC FMS Project.

### 4.3.3. Toxic Chemicals, Hazardous Substances, and Ozone Depleting Chemicals

The use of toxic chemicals, hazardous materials (EPA-17), or Ozone Depleting Substances (Class I ODS) in the AAV7A1 RAM effort shall be avoided. The Chemicals

and Hazardous Materials to be avoided are listed in US Department of Defense Publication "SD-14: Listing of Toxic Chemicals, Hazardous Substances, and Ozone-Depleting Chemicals". MCLC shall comply with federal, state and local statutes and regulations relating to procedures for disposition of hazardous waste generated from the ROCMC FMS Project.

### 4.4. Configuration Control

### 4.4.1. Engineering Change Proposals

Application of Engineering Change Proposals (ECPs) is not identified as part of the scope of this Statement of Work and will not be applied unless specifically and separately authorized by PMAAVS.

### 4.4.2. Requests for Deviation

MCLC shall apply configuration control procedures to established configuration items. MCLC shall not implement configuration changes to an item's documented performance or design characteristics without, prior written authorization. If it is necessary to temporarily depart from the authorized configuration, MCLC shall prepare and submit a Request for Deviation, (RFD). MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document. MCLC will use the PMAAVS Contract Management Module to process RFDs.

### **5.0. SYSTEM TEST AND EVALUATION**

Test and Evaluation for Phase II of the ROCMC FMS Project will be in accordance with ROCS 3.4 and TM 09674A-25&P/4.

Appendix A: List of Hull, Closures and Related Parts

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DESCRIPTION	P7 VEHICLE	QTY	P7 VEHICLE QTY C7 VEHICLE QTY R7 VEHICLE	QTY	R7 VEHICLE	QTY
HULLS	7001143 - P	1	7001143 – C	1	7001143 - R	
DRIVERS HATCH	5429152	1	5429152	1	5429152	-
COMMANDERS HATCH	5429153	1	5429153	1	5429153	_
AUXILIARY HATCH	N/A		5429153		5429153	_
CARGO HATCH DOOR	5428593-1	2	5428593-1	2	5428593-1 & -2	1 EA
CARGO HATCH CENTER PLATE	2600382	1	2600382		2600382	_
RAMP	5419014	1	5419014		5424197	
RAMP DOOR	2586828	1	2586828	1	2586828	
GRILLE, INTAKE	2600548	1	2600548		2617251	1
INTAKE PLENUM (welded on)	2600883	1	2600883	1	2600883	1
GRILLE, EXHAUST	2600416	1	2600416	1	2600416	1
EXHAUST PLENUM (welded on)	2600720	1	2600720	1	2600720	1
CENTER PLATE, GRILLE	2600405	-	2600405	1	2617241	Ţ

Appendix B: ROCMC FMS Project Schedule

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### Appendix C: Vehicle Serial Numbers

Type	C2	C7	C7	C7	R7	R7																		
Serial	522331	522333	522344	522358																				
	49	20	51	52	53	75																		
Type	Ь7	P7	P7	P7	P7	P7	Ь7	P7	Ь7	P7	P7	P7	P7	P7	P7									
Serial	522964	522972	522998	523002	523046	523076	523082	523087	523092	523113	523122	523126	523135	523159	523165	523203	523204	523222	523240	523251	523254	523262	523276	523360
	25	26	27	28	29	30	34	32	33	34	35	36	37	38	39	40	4	42	43	44	45	46	47	48
Type	P7	P7	Р7	Р7	P7	P7	Ь7	P7	Ь7	Р7	P7	Ь7	Р7	Ь7										
Serial	522441	522480	522482	522495	522506	522540	522542	522587	522637	522708	522783	522793	522802	522816	522854	522886	522889	522899	522900	522901	522916	522939	522944	522963
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# Appendix D: ROCMC AAV7A1 RAM Configuration

The ROCMC AAV7A1 RAM vehicles, kits and collateral equipment will be the complete standard approved USMC configuration per the approved engineering drawing package and change proposals as of 1 April 2003 except as noted below. The configuration for the USMC Personnel, Command and Recovery vehicle variants is defined by engineering drawings 7010050, 7010048 and 7010049.

- Driver's night sight AN/VVS-2 (V) 1A will be replaced with DVE per ECP 5468 to be released about May 2003.
- Delete EPLRS installation 6227563 and radio set AN/VSQ-2C (V) 1 and antenna AS-3449/VSQ-1 from collateral drawing 7001023. A ballistic cover will be added to the EPLRS antenna mount hole.
  - The DACT mounting provisions defined by ECP 5459 and 5477 will be included but the handheld computer, antenna and associated components will not be supplied at this time. ω.
- PLGR mounting provisions and navigation sets AN/PSN-11 (V) 1 will be supplied for all vehicles (Assumes that unit can be exported to 4
- EAAK mounting provisions will be applied to all Personnel and Command vehicles but only 42 Personnel configured EAAK assemblies in container per 7001375 will be supplied. The armor kit will not be camouflage painted and shipped to ROCMC in the containers. 5.
  - All vehicles will be woodland camouflage painted with the standard pattern by the depot.
  - Launchers from ROCMC will replace the weapon station M257 smoke grenade launchers. The launchers mounting brackets and activation cable will be modified, as required, to accommodate the ROCMC supplied launchers. 6.
- and associated antennas will be replaced with ROCMC supplied CS/VRC-191 radios and antennas. The radio mounts and interconnecting cables will be modified, as required, to accommodate the ROCMC supplied components. Compatibility of the VIC-2 intercom system and All vehicle and Command communications will be standard USMC configuration except the SINCGARS AN/VRC -89A and 92A radios AN/VRC-83, CS/VRC-191 radios and new procurement of the secure voice and MSQ-115 systems are assumed. Source for encryption for MSQ 115, AN/VRC-83 will be to US standard (exportable) ∞.
- Winter kit mounting provisions will be included in all vehicles but no installation kits will be supplied.
  - 10. Litter kit mounting provisions will be included in all Personnel vehicles.
- 11. Vehicles will include stowage provisions for the crew M16A2 rifles and M240 machine gun but only M240 machine guns will be supplied for the Command and Recovery vehicles, no M16A2 rifles are included
  - 12. All decals, stencils, data and instruction plates will be in English.

All changes to the standard USMC configuration, including the ones above, must be authorized by USMC approved Deviations submitted electronically (E-mail) on RFD/RFW Form 1694.

## Appendix E: GFM/GFE DISPOSITION

### Responsibilities Matrix

MC Process	DCMA Process	MD Process	PMAAV Process
<ol> <li>Detect Problem. Notify MC project manager's office, MC Quality Assurance, and DCMA of GFM problem (verbal acceptable).</li> </ol>	Receive notification of problem (verbal).		
2. Estimate Time, Cost and Method to repair.			
3. Provide written problem notification and GFM repair authorization request with estimate of method and time to repair to DCMA and MD. PQDR form may be used.	Receive written problem notification from MC with estimate method and time to repair.	Receive written problem notification from MC with estimate method and time to repair.	Receive written problem notification (DCMA could not resolve) from DCMA with estimate method and time to repair.
	3. Verify problem. Determine problem within delegated authority. If within authority determine disposition. Consult with UDLP PMAAV Reps and MCPM, if necessary. If not within authority delegated then forward request to PMAAV for resolution.		
Receive written disposition instructions.	Provide written disposition instructions with authorization to charge to GFM repair line to MC with copy to MD and PMAAAV.		2. Provide written disposition instructions to DCMA, when necessary.
5. Process material according to instructions on a not to exceed basis. Charge approved repairs to the GFM Repair CWBS line as authorized.			
<ol><li>Provide written report of actual time to repair to DCMA and MD.</li></ol>	<ol><li>Receive report of actual repair time and forward to MD.</li></ol>	2. Report hours monthly to PMAAV.	3. Review MD monthly report of actual hours expended.
7. Problem resolved.		3. Reconcile hours quarterly with PMAAV	4. Reconcile hours quarterly with MD.
8. Retain copies of problem notifications and disposition instructions for future reference.	6. Retain copies of problem notifications and disposition instructions for future reference	Retain copies of problem notifications and disposition instructions for future reference	5. Retain copies of problem notifications and disposition instructions for future reference

YES Resolved 20 dave Reconcil 11 dave ON. ð 7 dave Monthly Charge to GFM Repair CWBS hours Fime, Material Repair actual: & Method 21 hours Repair Item Disposition instructions 10 hours YES Authority Authority 6 houre N<sub>O</sub> 16 Valid 0N Prepar Repair estimate Time, Material 7 hanre & Method Printed: 11/25/03 3:08:27 PM Detect Problem Maintenance Maintenance Maintenance Center Technician Directorate Center PM Gnal **PMAAV DCMA** 

**GFM Repair Authorization Process** 

Appendix G: GFM/GFE REPAIR Worksheet

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•	TOTAL	Σ	COST						\$0.00
	TOTAL	LABOR	COST						
	UNIT	LABOR	COST						\$0.00
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HARGE	QTY								OVED
E/REPLACE C	NSN								TOTAL APPROVED
GFM REPAIR OR REMOVE/REPLACE CHARGE AUTHORIZATION	ITEM								
3FM REP	PQDR	DATE							
	PQDR	REF	NOM						
	REQUES	CWB	ELEMENT						
	AUTHORIZATION	DATE							

### **Appendix F: Deliverables**

A001	DI-MISC-80508A	Production Progress Report
A002	DI-MGMT-80438A	GFE Consumption Report
A003	DI-MGMT-81178	Production or Delivery Problems Report
A004	DI-NDTI-80809B	Test/Inspection Report
A005	DI-MISC-80468	Contract Funds Status Report
A006	DI-MISC-80508	Quality Assurance/Failure Report
A007	DI-ADMN-81249	Conference Agenda
A008	DI-ADMN-81250	Conference Minutes
A009	DI-CMAN-80639B	Engineering Change Proposal (ECP)
A010	DI-CMAN-80640	Request for Deviation

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			R DEVIATION (RFD)								
4. AUTHORITY (Data Acquisition Document No.) ANSI/EIA 649			5. CONTRACT REFERENCE ROCMC SOW Para 4.4.2				6. REQUIRING OFFICE MARCORSYSCOM PM AAVS				
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BLK 12 – Deviations shall be submitted for all changes that affect the established baselines.											
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* Required data will be submitted by MCLC to the PMAAVS Contract Management Module (BLK 14a& b).											
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### **Appendix G: Parts Removed with Disposition Instructions**

To be determined